



Rooted in Science

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name Retain Max Pellets

SDS Date April 15, 2024

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Soil wetting agent

Uses Advised Against: To be used only where there is a recognized need. Do not exceed the appropriate dose rates.

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer: Floratine Products Group, Inc.
355 East South Street
Collierville, TN 38017 USA
+1 901-853-2898

Importer: Turfcare Australia
Shane Summerhayes
115 PITTOWN RD. MCGRATHS HILL
SYDNEY NSW Australia 6400
+61 (425) 280300
shane@turfcareaus.com.au

1.4 Emergency Telephone Number

Emergency Spill Information 1(800) 535-5053 for US and Canada (INFOTRAC)
+1(352) 323-3500 for International Calls (call INFOTRAC collect)

Other Product Information: cs@floratine.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

CLP/GHS Classification (1272/2008): Not Hazardous

EU Classification (67/548/EEC): Not a dangerous substance

2.2 Label Elements

No Labeling Required

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	EU Classification (67/548/EEC)	CLP/GHS Classification (1272/2008)
Poly Oxyalkylene Polymers and Polyhydroxy Acids	Mixture	90-100%	Not dangerous	Not hazardous

See Section 16 for full text of GHS and EU Classifications.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

First Aid

Eye contact: Flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation develops.

Skin contact: Wash with soap and water.

Inhalation: No first aid treatment required due to physical form.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If the person is alert, have them rinse their mouth with water and sip one glass of water. Call a poison center or physician for advice. Never give anything by mouth to an unconscious or drowsy person.

See Section 11 for more detailed information on health effects.

4.2 Most important symptoms and effects, both acute and delayed: None expected under normal conditions of use. The hazardous ingredient listed in Section 3 is contained in a waxy solid pellet. If the pellet is dissolved in water and the water is allowed to dry, exposure may occur. Swallowing may cause nausea, vomiting or diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed: None needed under normal use conditions.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media: Use media appropriate for the surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: None

Combustion Products: Carbon and nitrogen oxides.

5.3 Advice for Fire-Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment.

6.2 Environmental Precautions:

Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

6.3 Methods and Material for Containment and Cleaning Up:

Pick up pellets and return to container for use.

6.4 Reference to Other Sections:

Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for Safe Handling:

Use reasonable care in handling. Do not eat, drink or smoke while using product. Wash thoroughly with soap and water after handling.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Protect containers from physical damage. Keep from freezing. Keep containers closed. Empty containers retain product residues. Follow all SDS precautions in handling empty containers. Store away from food and feed.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Soil wetting agent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	US OEL	EU IOEL	UK OEL	Biological Limit Value
Poly Oxyalkylene Polymers and Polyhydroxy Acids	None Established	None Established	None Established	None Established

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate Engineering Controls: Good outdoor ventilation should be adequate under normal conditions.

Personal Protective Measures

Eye/face Protection: None needed under normal use conditions. Safety glasses recommended if needed to avoid eye contact.

Skin Protection: None needed under normal use conditions. Impervious clothing is recommended if needed to avoid prolonged/repeated skin contact.

Hands: None needed under normal use conditions. Impervious gloves are recommended if needed to avoid prolonged/repeated skin contact.

Respiratory Protection: None needed under normal use conditions with adequate ventilation. If mists are irritating, an approved particulate respirator can be used. Use respirators in accordance with local and national regulations.

Other protection: Suitable washing facilities should be available in the work area.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance: Black solid pellet

Odor Threshold: Not applicable

Melting/Freezing Point: Not applicable

Flash Point: Not applicable

Lower Flammability Limit: Not applicable

Upper Flammability Limit: Not applicable

Vapor Density(Air=1): Not applicable

Solubility: Moderate

Autoignition Temperature: None

Viscosity: Not determined

Oxidizing Properties: None

Molecular Formula: Mixture

Odor: No odor.

pH: Not applicable

Boiling Point: Not applicable)

Evaporation Rate: Not applicable

Vapor Pressure: Not applicable

Relative Density: Not applicable

Octanol/Water Partition Coefficient: Not determined

Decomposition Temperature: Not determined

Explosive Properties: None

Specific Gravity (H₂O= 1): Not applicable

Molecular Weight: Mixture

9.2 Other Information: None available

SECTION 10: STABILITY and REACTIVITY

10.1 **Reactivity:** Not reactive under normal conditions.

10.2 **Chemical Stability:** Stable.

10.3 **Possibility of Hazardous Reactions:** None known.

10.4 **Conditions to Avoid:** None known.

10.5 **Incompatible Materials:** Incompatible with oxidizing agents.

10.6 **Hazardous Decomposition Products:** Decomposition may produce carbon and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 **Information on Toxicological Effects:**

Potential Health Effects:

Eye Contact: None expected under normal use conditions. Direct contact may cause mild eye irritation.

Skin contact: None expected under normal use conditions. Prolonged skin contact may cause mild skin irritation.

Inhalation: None expected under normal use conditions.

Ingestion: Swallowing pellets may cause gastrointestinal effects including nausea and diarrhea.

Acute toxicity: No toxicity data available.

Skin corrosion/irritation: Prolonged skin contact may cause mild skin irritation.

Eye damage/ irritation: May cause mild eye irritation.

Respiratory Irritation: No data available. Expected to cause only temporary irritation.

Respiratory Sensitization: No data available

Skin Sensitization: Not expected to cause skin sensitization.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP or the EU directive.

Reproductive Toxicity: Not expected to cause reproductive or developmental toxicity.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No toxicity data available for the product.

12.2 Persistence and degradability: No data available. The product is expected to be moderately biodegradable.

12.3 Bioaccumulative Potential: No data available. Not expected to be bioaccumulative.

12.4 Mobility in Soil: In the soil, product follows natural cycle to provide plant nutrients.

12.5 Results of PBT and vPvB assessment: Not required.

12.6 Other Adverse Effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with local/ and national regulations. Not considered hazardous waste according to EU regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not Regulated			
Canadian TDG	None	Not Regulated			
EU ADR/RID	None	Not Regulated			
IMDG	None	Not Regulated			
IATA/ICAO	None	Not Regulated			

14.6 Special Precautions for User: None

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not determined.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****US Regulations**

CERCLA Section 103: The normal application of fertilizers is exempt from CERCLA reporting. If an accidental release occurs, contact Floratine Products Group for information.

SARA Hazard Category (311/312): Chronic Health Hazard

SARA 313: Products used in routine agricultural operations and fertilizers held for resale by retailers is excluded from SARA 313 reporting. Contact Floratine Products Group for additional information.

Canadian WHMIS Classification: Class D2, Subdivision A

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

EU Regulations:

This product is sold as an EC Fertilizer in accordance with Directive 2003/2003.

International Chemical Inventories

US EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory or exempt.

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

European Union: All the components in this product are listed on the EINECS inventory or exempt.

Japan: All of the components in this product are listed on the Japanese Existing and New Chemical Substances (ENCS) inventory or exempt.

Korea: All of the components in this product are listed on the Korean Existing Chemicals List (KECL) or exempt.

New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the National Existing Chemical Inventory (NECI) in Taiwan or exempt.

SECTION 16: OTHER INFORMATION

EU Classes and Risk Phrases for Reference (See Sections 2 and 3)

Xn Harmful

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

CLP/GHS Classification and H Phrases for Reference (See Section 3)

STOT RE 1 Specific Target Organ Toxicity Repeat Exposure Category 1

H372 Causes damage to lungs through prolonged or repeated exposure.

This safety data sheet provides health and safety information. The product is to be used in applications consistent with best farming practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information data sheet is to the best of Floratine's knowledge correct as at the date of publication. Neither Floratine, importer or local supplier accepts liability for any loss or damage resulting from reliance on this information. Further information on this product may be obtained from the supplier whose name, address and telephone number will be found on the product container. The information provided herein is offered solely for your consideration, investigation and verification. This information herein is provided by Floratine in good faith as accurate at the time of writing but without guarantee. This information includes information which has been generated by other parties and provided to Floratine and which Floratine has not independently verified. The information provided herein relates only to the specific product designated and may not be valid if the product is used in combination with any other materials or in any process